

**Record 4: JP7138321A****(ENG) PRODUCTION OF POLYOLEFIN****Assignee:** MITSUBISHI CHEM CORP

[ no drawing available]

**Inventor(s):** TANAKA EIJI ; NISHIHARA YASUHIRO**Application No:** JP 28932893 A**Filing Date:** 19931118**Issue/Publication Date:** 19950530

**Abstract:** (ENG) <sec>PURPOSE: To obtain an ethylene polymer excellent in uniform stretchability, rigidity, etc., by (co)polymerizing ethylene under specified conditions in the presence of a specified catalyst system. CONSTITUTION: In (co)polymerizing ethylene by using a catalyst system consisting of an organoaluminum compound and a solid catalyst component containing at least Mg, Ti and a halogen, the polymerization reaction is performed in two steps, i.e., ethylene is polymerized in the presence of H<sub>2</sub> in a specified molar ratio to ethylene to produce a prescribed amount of a polymer having a prescribed intrinsic viscosity in the first or second reaction region, and in the presence of this reactional product and a specified amount of H<sub>2</sub>, ethylene alone or ethylene and other  $\alpha$ -olefin are polymerized to produce a prescribed amount of a polymer having an  $\alpha$ -olefin content of at most 5wt.% and a prescribed intrinsic viscosity in the other reaction region so that the intrinsic viscosities of the polymers produced in these two reaction regions are at a specified ratio and finally produced whole polymers have an intrinsic viscosity and a density each in a specified range.</sec>

**Priority Data:** JP 28932893 19931118 A X;**IPC (International Class):** C08F01000; C08F004654